

POL/39-26-2-2/10

An Attempt to Determine Mathematically the Dependence Between the Productive Capacity of Open Hearth Furnaces and their Consumption of Thermal Units on the One Hand and the Degree of Furnace Supercharging on the Other

furnace simultaneously raised its production capacity equally with the rise in weight of the charges to the highest possible load. The experiments had the following results: 1) Higher charge weights result in a higher productive capacity (tons/hour) of the furnace. In some furnaces, productive capacity rises only to a certain amount of the charge weight; 2) The rise in weight of the charges decreases the consumption of thermal units (kcal/ton). It could not be established whether supercharging would be negative to the consumption of thermal units; 3) A comparison of the experimental results of both quoted dependencies is possible only with similar technical conditions of the furnaces; 4) The most rational method for a mathematical pick-up of the above-mentioned dependence will be the percentage of the change in productive capacity and consumption of thermal units in comparison to 1% of the change in weight of the charges. This will

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show mathematically correctly, what output capacity may be expected of the furnace; 5) Furnace overload pays best during the first phase of the experiment (Tables 1 and 2 and Figs. 7 and 9), as the change in productive capacity and consumption of thermal units in comparison to the change of the charge weights is highest during this time. The lower the condition of the furnace, the smaller the advantages of furnace supercharging or overload. The article only mentions some of the problems of furnace overload. There are 6 diagrams, 3 graphs and 2 tables.

ASSOCIATION: IMZ, Gliwice, ZHGS, Katowice

Card 3/3



Distr: 4820

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Michałowski M., Mikulski J. An Attempt at Numerical Consideration
of the Interrelation between Both Efficiency and Unit Heat Consumption
of the Open Hearth Furnace, and the Degree of Overloading.

"Próba liczbowego ujęcia zależności wydajności pieca martenowsko-
skiego i jednostkowego zużycia ciepła od stopnia przeladowania pieca".
Hutnik, No. 8, 1959, pp. 88-93, 9 figs., 1 tab.

This paper presents an effort to consider numerically the influence
of changes in weight of charges upon both efficiency of furnace and
unit heat consumption; the authors disregard, however, the influence
of the raised level of the liquid on wear and tear of the brick lining
and the probable influence on the course of the metallurgical processes.
The investigations were made using several stationary furnaces each
of 50 ton nominal capacity, and on tilting furnaces of 100 ton capacity.
The maximum overloading was 70 tons for the stationary furnace, and
110 tons for the tilting furnace. Continuance of investigations and
measurements throughout the complete cycle of a furnace, lasting from
one medium repair to the next, made it possible to take into account
the changes in furnace efficiency caused by progressive deterioration
of the technical condition of the furnace. The authors present their
results on diagrams, based on somewhat complicated corrective
computations; the results of these computations are illustrated by
8 tables giving the individual comparative values in relation to
average values considered as 100. On the basis of these tables, the
authors have prepared diagrams the straight lines on which present,
in a simplified manner, the changes in furnace efficiency and in unit
heat consumption, depending on the weight of output for the different
conditions of deterioration of the furnace.

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18(5)

POL/39-59-7/8-4/24

AUTHORS: Mikulski, Jan, and Michałowski, Maciej, Masters of
Engineering

TITLE: Changes in the Output and Heat Consumption of Open-Hearth Furnaces During Inter-Repair Periods

PERIODICAL: Hutnik, 1959, Nr 7-8, pp 271-276 (POL)

ABSTRACT: In a previous article (Hutnik, 1959, Nr 2) the author showed that it is especially profitable to overload a open-hearth furnace in the early stages of an operating period since output is then highest and unitary heat consumption lowest. The purpose of the present article is to see how these indices change in order to determine when it is most profitable to bank and repair a furnace in view of the fact that output is falling off and heat consumption increasing. The factor which decides when a furnace is to be banked is of course the state of its lining. But in practice, many furnaces continue operating uneconomically when the production plan has not been achieved. The results summarized in this article are based on figures compi

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Changes in the Output and Heat Consumption of Open-Hearth Furnaces
During Inter-Repair Periods

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over 2 and 1/2 years with respect to a number of open hearth furnaces with capacities ranging from 50 to 370 tons. Figures 1, 2 and 3 show the results of the observations for furnaces of 50, 100 and 370 tons respectively. The thicker lines show the beginning and end of periods of operation, the figures show the output and heat consumption indices respectively with the average for the period being taken as 100, the shaded areas represent major overhauls and the arrows minor repairs. Figures 4 and 5 show output and heat consumption fluctuations for a 70 ton and a 100 ton furnace respectively over a period of almost 5 months, the continuous line representing output and the dashes heat consumption. On the basis of these observations, the authors reach the following conclusions: the phase of maximum output and minimum heat consumption comes towards the end of the first or at the beginning of the second month of a period of operation. Minor or "cold" repairs significantly improve the furnace's

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MIKULSKI, Jan, dr., inz.

Notes on eng. Włodzimierz Bojarski's article "Problems connected with the reliability of power supply in electric networks". Energetyka przem 10 no.1:6 '62.

1. Członek Komitetu Redakcyjnego miesięcznika "Energetyka przemysłowa".

POL/39-26-2-2/10

18(5)

AUTHOR: Michalowski, Maciej, and Mikulski, Jan, Engineers

TITLE: An Attempt to Determine Mathematically the Dependence Between the Productive Capacity of Open Hearth Furnaces and their Consumption of Thermal Units on the One Hand and the Degree of Furnace Supercharging on the Other

PERIODICAL: Hutnik, 1959, Vol 26, Nr 2, pp 58-63 (Poland)

ABSTRACT: In this article, an attempt is made to show the mathematical dependence between the productive capacity of open hearth steel furnaces and their consumption of thermal units on the one hand and the degree of furnace supercharging on the other. The experiments were directed by the authors on furnaces with capacities of 50 and 100 tons. During a period of 18 weeks, it is shown by the aid of drawings that the productive capacity of furnaces of that size depends on the weight of the charges. With the 50 ton furnace in good condition, a maximum production capacity of 64 to 66 tons and in bad condition of 62 to 63 tons was reached. Being in good condition, the 100 tons

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ASSOCIATION: IMZ, Gliwice, ZHZS, Katowice

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MIKULSKI, Jan, dr., inz.

Method for determining the efficiency of power engineering in iron foundries. Pt. 1. (To be contd.) Energetyka przem 10 no.4:124-126 Ap '62.

1. Członek Komitetu Redakcyjnego miesięcznika "Energetyka Przemysłowa"

MIKULSKI, Jan, dr inż.

Reduction of dust emission by iron and steel works in 1961. Energetyka
przem 10 no.7:257-258 Jl '62.

MIKULSKI, Jan, dr., ins.

Outlook for the development of electric power in the steel industry
in the years 1960-1980. Energetyka przemysłowa. no.11:380-383 '61.

1. Członek Komitetu Redakcyjnego "Energetyka Przemysłowa".

MIKULSKI, J.; MICHALOWSKI, M.

An attempt at a quantitative presentation of the relation between the productivity of an open-hearth furnace and units of heat consumption and the degree of overcharging the furnace. p. 58.

HUTNIK. (Panstwowe Wydawnictwa Techniczne) Katowice, Poland.
Vol. 26, no. 2, February 1959

Monthly list of East European Accession (EEAI) LC, Vol. 8, no. 7, July 1959

Uncl.

PEREDY, Sandor; MONATH, Lajos; RAPELIUS, Karl (Leipzig); CALLENBERG, Waldemar (Leipzig); LIPKA, Ceslav (Praha); FREIBERGER, Rudolf, dr. ing. (Praha); SCHENKEL, Gerhard, dr. ing. (Karlsruhe); MIKULSKI, Jan, dr. ing. (Katowice); FRATZSCHER, Wolfgang, dr. ing. (Dresden); BENEDEK, Istvan; CUKOR, Gyorgy; SAGI, Marton; SOVARY, Emil; NAGY, Csaba (Roman Népkostarsaság); ELEFTERESCU, M. (Roman Népkostarsaság); KOVACS, Istvan (Roman Népkostarsaság); LAZAR, Peter, dr.; MEJRO, Cs., prof. (Varso); KOKOVAY, János, dr.; SCHAEFER, Helmut, dr. ing. (Karlsruhe); BORBAS, Mihály; GRUHN, Gunther, Dipl. ing. (Dresden); SZABO, Béni; GYORI, Attila; MOLNAR, László; RECZEY, Gusztav, dr.

Determination and application of specific power utilization indexes. Ipari energia 3 no.1/2:15-22 Ja-F '62.

1. Koho- és Gépipari Miniszterium Ipargazdasági és Üzemszervezeti Intézete (for Peredy).
2. Budapesti Hajógyár (for Monath).
3. Országos Energiaigazgatási Hatóság (for Benedek and Reczey).
4. Magyar Tudományos Akadémia Kozgazdaságtudományi Intézete (for Cukor and Sagi).
5. Erőmű Tervező Iroda (for Sovary).
6. Konnyúipari Miniszterium (for Kokovay).
7. Vörös Csillag Traktorgyár (for Borbas).
8. Kobányai Muanyaggyár (for Szabo).
9. Koho- és Gépipari Miniszterium Energiaosztály (for Molnar).

MIKULSKI, Jan, dr inz.

Rationalization of electric power consumption in iron and
steel works. Pt. 2. Gosp paliw 11 no.5:162-164 My '63.

MIKULSKI, Jan, dr inz.; WLAZLOWSKI, Stanislaw, mgr inz.

Application of energy for the calculation of the prime costs of
steam and electric power in combined production management. Gosp
paliw 11 no.10:368-371 O '63.

MAJEWSKI, Z., mgr inz.; MICHALOWSKI, M., dr inz.; MIKULSKI, J.,
dr inz.

Individual index of heat consumption of open-hearth furnaces.
Hutnik P 30 no. 5: 143-147 My '63.

MIKULSKI, Jan, dr inz.

Comparability of electric indicators in iron metallurgy.
Wiad hut 15 [i.e.20] no. 4: 116-119 Ap '64.

MIKULSKI, Jan, dr. ing. (Poland)

Method for comparing energetic index number values in the
iron and steel metallurgy. Ipari energia 5 no.3:62 M '64.

MIKULSKI, Jan, dipl. ing.; MICHALOWSKI, Maciej, dipl. ing.

Mathematical evaluation of changes in the output and heat consumption of open-hearth furnaces observed during the period between repairs. Energia es atom 17 no.9:402-407 S '64.

MIKULSKI, Jan, dr inz.

Economic utilization of blast furnace gases. Wiad h ut 15 no.11:
335-338 N '64.

MIKULSKI, Jan, dr inz.; FIKUS, Franciszek, mgr inz.

Processes of tape induction heating. Hutnik P 31 no.1/2:41-50
Ja-F'64.

ECKSTEIN, Z.; MIKULSKI, J.

Studies on the Birnbaum-Simonini-Reaction of some phenoxy acetic acid derivatives. III. Bul chim PAN 9 no.12:785-790 '61.

1. Zaklad Syntezy Organicznej, Polska Akademia Nauk, Warszawa, i Instytut Badan Jadrowych, Krakow. Presented by T. Urbanski.

L 31432-66 FWP(j)/T RM

ACC NR: AP6023147

SOURCE CODE: P0/0046/66/011/001/0057/0059
35
(7)

AUTHOR: Mikulski, Jan

ORG: Laboratory of Chemistry and Radiochemistry, Institute of Nuclear Physics, Krak

TITLE: Radiochemical separation of some metal ions by extraction chromatography on
powdered polytetrafluoroethylene in the system tri-n-octylamine-electrolyte

SOURCE: Nukleonika, v. 11, no. 1, 1966, 57-59

TOPIC TAGS: chemical separation, teflon, chromatography, ion

ABSTRACT: Tb(III), Hf(IV), Cd(II), Zn(II) were separated from U(VI), Am(III) from
Pu(VI), Te(IV) from Sb(V) and Ni(II) from Co(II) and Cu(II) in the system tri-n-
octylamine-HCl on teflon. Data are presented in graphs. Orig. art. has: 4 figures
[Orig. art. in Eng.] [NA]SUB CODE: 07 / SUBM DATE: 12Jun65 / ORIG REF: 002 / SOV REF: 003
OTH REF: 007

Card 1/1 JT

0915

13-5

MIKULSKI, K.

K. MIKULSKI, "Preventive measures against frost in the iron and steel industry."
No. 12, December 1955 HUTNIK

MIKULSKI, P.; RUDZKI, W.; WISNIEWSKI, K.

Investigation of the mean properties of amorphous goods packed in
rectangular parallelepiped bales. Zastos mat 4 no.4:332-340 '59.
(EEAI 9:7)

1. Instytut Matematyczny Polskiej Akademii Nauk, Warszawa.
(Sampling (Statistics)) (Packing for shipment)

ANGIELSKI, S.; ROGULSKI, J.; MIKULSKI, P.; POPINIGIS, J.

Aminoaciduria produced by maleic acid. VI. Alpha-amion nitrogen
and keto acids in the blood. Acta biochim. polon. 7 no.2/3:285-293
' 60.

1. Pracownia Biochemii Patologicznej Instytutu Biochemii i Biofizyki
PAN i Zaklad Chemii Fizjologicznej AM, Gdańsk Kierownik: prof. dr
Wl. Mozolowski.

(MALEATES toxicol)

(KETO ACIDS blood)

(NITROGEN urine)

ROGULSKI, J.; ANGIELSKI, S.; MIKULSKI, P.; BASCIAK, Jadwiga

Influence of maleate and N-ethylmaleimide on the synthesis of amino acids from α -ketoglutarate and ammonia in the liver and the kidney of rats. Acta biochim. Pol. 9 no.1:27-40 '62.

1. Department of Pathological Biochemistry, Institute of Biochemistry and Biophysics, Polish Academy of Sciences, and Department of Biochemistry, Medical School, Gdansk.

(LIVER metab) (KIDNEY metab) (AMINO ACIDS metab)
(AMMONIA metab) (KETO ACIDS metab)
(MALEATES pharmacol) (PYRROLES pharmacol)

MIKULSKI, Roman (Krakow, ul. 18 stycznia 17)

Strongyloidiasis in the Krakow region and observations on biology
of Strongyloidea. Polski tygod. lek. 9 no.15:469-472 12 Apr 54.
(STRONGYLOIDIASIS, epidemiology,
in Poland)
(STRONGYLOIDEA,
biol.)

MIKULSKI, I.

Distr: 4E2c(j)

Chemistry of *tervalent* and *quadrivalent uranium in organic solvents*.⁷ B. Jezuwska-Trzebiatowska, A. Bartek, A. Chmielowska, H. Przywarska, T. Mikulski, K. Bukietycka, and W. Kujolowicz (Univ. WROCŁAW, Poland). *Nukleonika*, J. Spec. No., 39-58 (1958) (in English). — Salts of uranyl nitrate (I) and of UCl_4 were investigated by conductometric and spectrophotometric measurements. Low conductivities of I were found. The Fuoss equation for ionic triplets was fitted satisfactorily but in a limited concn. range. Ion pairs ($[\text{UO}_2\text{NO}_3^+]\text{NO}_3^-$) at higher concns. and ionization at lower concns. have to be assumed. The ionization constants for the ion pairs and triplet ions were estd. as 1.1×10^{-4} and 3.45×10^{-7} in acetone, and as 1.28×10^{-4} and 4.03×10^{-7} in EtOH . Absorption spectra were detd. in the range of 360 to 600 m μ . Wave lengths (in m μ) and molar extinction coefficients, at max. absorption, were: in H_2O : 485, 0.4; 488, 0.03; 488, 1.0; 438.2, 3.8; 420.8, 7.2; 414.2, 8.6; 403.2, 7.9; 380, 6.8; 382, 3.4; 366, 3.0; in acetone: 485, 0.48; 485.2, 4.18; 462, 8.4; 439, 0.54; 425.8, 11.13; 414.2, 10.3; 408, 8.4; 393.2, 5.5; 382, 3.1; 361.5, 3.5; in methyl ketone: 436, 0.60; 488.2, 9.58; 453, 5.88; 439, 4.70; 424.8, 10.35; 414.2, 9.65; 408, 8.0; 393.5, 4.3; 382, 3.9; 382, 3.4; in methyl tributyl ketone: 485, 0.69; 488, 1.0; 438, 6.47; 437.5, 8.88; 425.0, 10.0; 418, 6.4; 408, 7.8; 383.2, 5.2; 381.5, 3.0; 363.6, 3.0; in dioxane: 488, 0.22; 488.2, 1.1; 452, 2.6; 438, 5.8; 425.8, 17.4; 417, 8.2; 400.5, 7.3; 392.5, 4.6; 377, 2.92; 363.6, 13.0; in formamide: 478, 4.8; 401, 0.21; 446.8, 18.0; 435, 30.8; 3(23.2, 29.86; 412.5, 24.8; 400, 18.2; 387.5, 9.67; 371, 7.8; 371, 5.27; 360.9, 9.6; in tributyl phosphate: 488, 0.63; 470, 1.71; 453, 3.54; 439, 6.61; 427, 8.82; 410, 9.74; 402.5, 8.14; 390, 5.25; 378.9, 3.2; 363.6, 3.0;

in MeCN : 481, 0.49; 488.2, 4.14; 422, 7.09; 417, 8.78, 3.7; 425.8, 9.69; 412.2, 9.21; 402, 7.3; 380, 4.74; 376, 2.78; 363.4, 8.38; and in acetylacetone: 483, 200; and 400, 580. The band was diffuse in H_2O , formamide, acetylacetone, and dioxane, whereas it had a distinct vibrational structure in ketonic solvents. Changes of absorption at 480-630 m μ with concn. of I in EtOH -acetylacetone mixts. established the existence of the 1:1 complexes and indicated the existence of 2:3 complexes of UO_2^{++} and acetylacetone. Similar investigations established the existence of 1:1 complexes of I with mono-, di-, and tributyl phosphates, and with mono- and diethyl phosphates. Yellow $\text{UO}_2\text{BuPO}_2\cdot 2\text{H}_2\text{O}$, poly. product const. 10^{-4} in water, and a 1:2 complex $\text{UO}_2(\text{Bu}_2\text{PO}_2)_2\cdot 2\text{H}_2\text{O}$ were pptd. Kinetics of gaseous O uptake by I was studied in solns. in H_2O -o-did. benzyl ether, exposed to ultraviolet radiation. $\text{UO}_2\text{H}_2\text{O}$ was detd. by oximetric titration with Mohr's salt. The rate const. was 1.63×10^{-4} (moles/l.) $^2/\text{min.}$ at 25°. The mechanism is discussed and it is suggested that ether molcs. are excited first, and then UO_2^{++} reacts with org. peroxides. Absorption spectra of UCl_4 were detd. in org. solvents. Max. absorption bands were at the following wave lengths (wave length in m μ and molar extinction coeff., given): in MeOH : 410, 9.0; 430, 11.0; 420, 13.4; 505, 8.7; 530, 3.4; and 525, 212.2; in tributyl phosphate: 415, 5.0; 455, 30.4; 495, 14.2; 555, 8.8; 595, 9.0; and 670, 29.3; in triethylphosphate: 415, 11.2; 455, 19.8; 495, 11.2; 555, 7.8; 585, 6.8; and 670, 18.7. Absorption spectra at 440-650 m μ of UCl_4 in MeOH -tributyl phosphate mixts. established the existence of the 1:1 complex with phosphate, for which $\log K = 3.13$. — Steckel

LB
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MIKULSKI, Tadeusz

Effect of ultrasonics on the conductivity of stimuli in nerve fibers.
Reczn. pol. akad. med. Swierczewski. 7:309-320 '61.

I. z Zakladu Fizyki Lekarskiej Pomorskiej Akademii Medycznej Kierownik:
doc. dr J. Konarski.

(ULTRASONICS) (NERVOUS SYSTEM physiol)

MIKULSKI, Tadeusz; SLAWINSKI, Piotr

Blood sedimentation under the influence of ultrasounds.
Pol. tyg. lek. 20 no.25:918-920 21 Je '65.

1. Z Zakladu Fizyki Lekarskiej Pomorskiej AM w Szczecinie
(Kierownik: dr. inz. Henryk Mikosza) i z Zakladu Chemii
Fizjologicznej Pomorskiej AM w Szczecinie (Kierownik: dr.
Eugeniusz Lempicki).

MIKULSKI, Witold

The House of Engineering in Kielce. Przegl techn no.52:11 30 D '62.

L 41571-65 ACCESSION NR: AP5012920	EVT(m)/EVP(b)/EWP(t) Feb AUTHOR: Mikul'ski, Ya.; Gavrilov, K. A.; Knoblokh, V.	DIAAP/IJP(c) JD/JG/JAJ PO/0046/64/009/010/0785/0794 31 20 B
TITLE: Partition chromatography of rare earths and trans-uranium elements in the tetra-butyl-hypophosphate/tetra-butyl-pyrophosphate/nitric acid system		
SOURCE: Nukleonika, v. 9, no. 10, 1964, 735-794		
TOPIC TAGS: chromatographic analysis, rare earth metal, fissionable metal, chemical separation		
ABSTRACT: The article deals with the extraction characteristics of rare earths (Pm, Eu, Tb, Tm) and trans-uranium elements (Am, Cm, Cf, Fm, Md) in a TBHP/TBPP 1:1 / HNO ₃ system. The separation coefficients were measured by the partition chromatography method and elements. 1.25 for the lighter		

formula and the the obtained values

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L 43571-65

ACCESSION NR: A15012920

"The authors wish to thank Prof. G. N. Flerov, Corresponding member of the AN SSSR, for his constant attention and discussion of the results; I. Stary, V. Yermakov for processing the results; Z. Knoblockova, A. Klimovskaya and V. Bochkov for their assistance in carrying out the experiments; the group who operated the cyclotron for conducting the experiments. The authors also thank T. Modro for his kind allocation of tetra-butyl-hypophosphate; P. V. Pereiygina for assistance in mastering the partition chromatography method." Orig. art. has 12 graphs.

ASSOCIATION: Laboratoriya Khimii i Radicheskoi Institut Yadernoy Fiziki, Krakuv
(Laboratory of Chemistry and Radiochemistry, Institute of Nuclear Research);
Laboratoriya Yadernykh Reaktsiy, Ob'edinennyj Institut Yadernykh Issledovanij,
(Institute of Nuclear Research);

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001134210019-9

Laboratoriya Yadernych Reaktsiy; Otdeleniye Issledovaniy
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Institut Yadernykh Issledovaniy ChAN, Rzhev (Institute of Nuclear Research ChAN)

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OTHER: 009

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MIKULSKI, Z.

"Some Results of the Discussion on Droughts in 1947 in Czechoslovakia."
P. 123, (PRZEGŁAD METEOROLOGICZNY I HYDROLOGICZNY, Vol. 5, No. 3/4,
1952. Warszawa, Poland.)

SO: Monthly List of East European Acquisitions, (EDAL), LC, Vol. 3,
No. 12, Dec. 1954, Uncl.

REMARKS . . .

"Resolutions accepted by the Congress," p. 131, (POLSKA. ZJEDNOCZ. ZAŁOZ. I WĘGŁOWECKA, Vol. 5, No. 3/4, 1952, Warsaw, Poland.)

SO: Monthly List of East European decisions, (EWL), EC, vol. 3, no. 12, Dec. 1957, incl.

MIKULSKI, Z.

"Soviet hydrologic and meteorologic service faces new tasks."
Gazeta Obserwatora. P.I.H.M., Warszawa, Vol 6, No 10, Oct. 1953, p. 2

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

MIKULSKI, Z.

Catastrophic floods in Poland. p. 3²⁰.
CZASOPISM^O GEOGRAFICZNE. Wroclaw, Poland
Vol 25, no. 4, 1954.

So: Eastern European Accession. Vol 5, no. 4, April 1956

MIKULSKI, Z.

"Geographical and Geophysical trends in Hydrology in Relation to its Development."]
(PRZEGLAD GEOGRAFICZNY. POLISH GEOGRAPHICAL REVIEW, Vol. 26, No. 2, 1954, Warszawa,
Poland.)

I 7 Gg, PAF

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3,
No. 12, Dec, 1954, Uncl.

MIKULSKI, Z.

Importance of water in open reservoirs in urban areas. p. 8.
GAZETA OBSERWATORA. Warszawa. Vol. 8, no. 7, July 1955.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956

MIKULSKE, Z.

Some impressions from a visit to Holland and Belgium. p. 11.

GAZETA OBSERWATORA P. I. H. M. Vol. 8, no. 12, Dec. 1955.

POLAND

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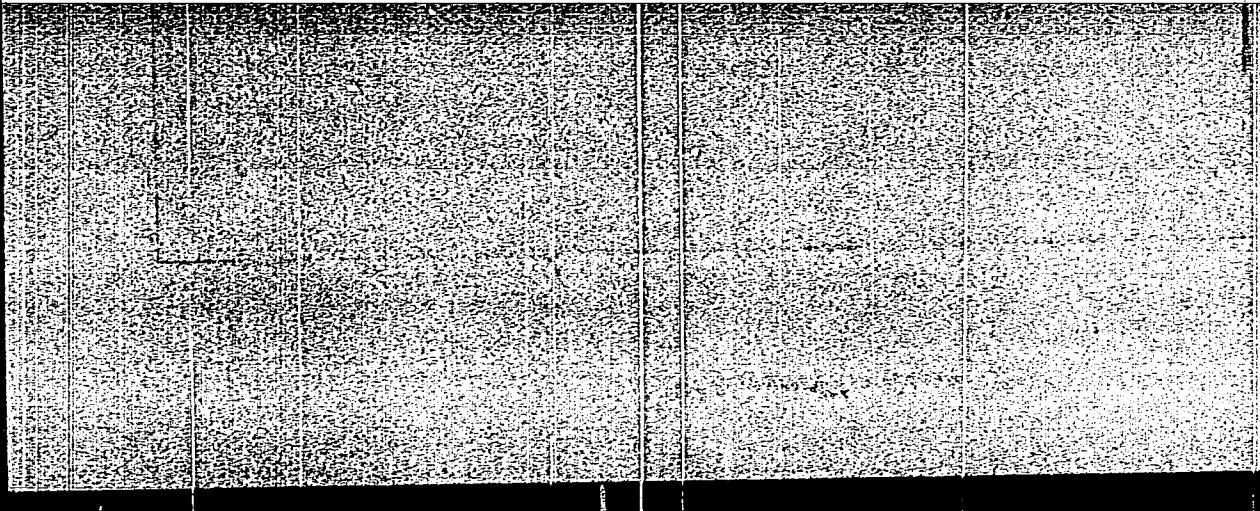
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"APPROVED FOR RELEASE: 07/12/2001

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Transpstroy 13 no. 11:53-55 N '63. (MIRA 17:5)

ACC NR: AM6014512

(A)

Monograph

UR/

Mikul'skiy, Valentin Gavrilovich (Candidate of Technical Sciences; Docent); Igonin,
Leonid Anan'yevich (Engineer)

Bonding and adhesion of concrete in constructions (Stsepleniye i skleivaniye betona v
sooruzheniyakh) Moscow, Stroyizdat, 65. 0126 p. illus., biblio. 6,000 copies
printed.

TOPIC TAGS: construction material, concrete, adhesive bonding, bonding material,
polymer, structure dynamic stability

PURPOSE AND COVERAGE: This book presents basic conditions affecting bonding of new
cement (solution) with old cement conformably to monolithic and sectional construc-
tion. Also, a theoretical explanation is given of the process occurring. Means of
improving bonding strength of cements are given. Special attention is given to
polymer admixtures and glue for secure cementation. These problems are viewed under
conditions of static and dynamic loads. The book is recommended for production
engineers, designers and scientists.

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Ch. III. Application to cementation of polymer materials--51
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Card 2/2

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(HYPERTHYROIDISM, surg.
preop. intravenous procaine inject.)
(PROCAINE, ther. use
preop. in surg. for hyperthyroidism)

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(HYPERTHYROIDISM, surgery,
premedication, intravenous procaine (Rus))
(PROCAINE, therapeutic use,
premedication in hyperthyroidism surg., intravenous
admin. (Rus))

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MIKULYAK, V. G.

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(HYPERTHYROIDISM) (NOVOCAIN)

MIKULYAK, V.G., kand. med. nauk (Ternopol', ul. Druzhby, d.7, kv.62)

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l. Klinika fakul'tetskoy khirurgii (zav.-prof. A.G. Martynyuk)
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Mikulyashek,

POLAND / Virology. General problems.

E-1

Abs Jour: Referat Zh. Biol., No 6, 25 March, 1957, 21682

Author: Mikulyashek

Inst:

Title: Virus Immunochemistry.

Orig Pub: Zesz. probl. nauki polsk., 1956, No 7, 199-233. Dyskus.
235-277

Abstract: Review. Bibl. 102 refs.

Card : 1/1

-9-

COUNTRY : USSR
CITY : Microbiology
REF. JOUR. : Ref Zhur-Biologiya, No.4, 1959, U.D. 143-9
AUTHOR : Dzhulyanskaya, Ya.; Mikulyashek, E.
INST. : Polish AS
TITLE : Further Investigation of Antigenic Structure
of the Typhoid Bacillus.

ART. PUB. : Byul. Pol'skoy AN, 1956, otd. 2, 4,
No. 10, 381-383
ABSTRACT : Endotoxins of different strains of Salmonella typhi, recovered according to the technique of one of the authors, were liberated from protein by boiling 1 g in 100 ml of 1% acetic acid for 1 hour. The sediment was filtered; increasing amounts of alcohol were added to the clear filtrate, and each time the precipitated polysaccharides were removed. Thus, depending on the strain and state of the culture, 7 - 11 polysaccharide fractions were

CARD: 1/5

SPECY: :
J. K. BOMY :
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ABS. TOUR: :
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MR. 14389

AUTHOR :
INST. :
TITLE :
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MRG. PIB. :

ABSTRACT : obtained glucosamine, glucose, and (or) galactose, xylose, and (or) ribose, uronic acid, and an unidentified carbohydrate. The polysaccharide of the fractions separated out with concentrations of 65 - 90% alcohol contained, in addition to the indicated substances, mannose, rhamnose, and several unidentified carbohydrates. The polysaccharides obtained from the original strain 16⁴⁴⁷ in the antigenic state, exhibited the greatest

CARD: 3/5

TITLE

MIKUNIS, R. I. (Vinnitsa)

Intragastric temperature in gastric and duodenal ulcers.
Klin.med.33 no.7:90-91 J1 '55. (MLRA 8:12)

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i kafedry fakul'tetskoy khirurgii (zav.-prof. I.Ya.Deyneka)
Vinnitskogo meditsinskogo instituta.
(PEPTIC ULCER, physiology,
stomach temperature)
(BODY TEMPERATURE,
stomach, in peptic ulcer)